

QuickStudy **NERVOUS SYSTEM** R. lymphatic duct Cerebrum (brain) Parotid lymph nodes Cerebellum Cervical lymph nodes Cervical plexus Brachiocephalic v. Brachial plexus L. thoracic duct Intercostal n.n. Axillary n. Intercostal Axillary lymph nodes Radial n. Spinal cord nodes Lymphatic vessels Radial n. Cubital lymph node Cauda equina Intestinal-Subcostal n.n. nodes Median n. Common-Lumbar plexus Cisterna chyli iliac nodes Para-aortic nodes Ulnar n. Femoral n. Inguinal lymph nodes Sacral plexus Nasal cavity Auditory (eustachian) tube Superior, middle & inferior conchae Iliohypogastric n. Pharvnx Palmar Oral Glottis Ilioinguinal n. plexus Saphenous n. Vocal fold Tongue Gluteal n.n. (cord) - Larynx Primary bronchi Pudendal n. Secondary Popliteal lymph Sciatic n. lung Tibial branch of Cardiac Bronchiole sciatic n. Superficial & lobule Peroneal branch lymph vessels of sciatic n. Pleura Plantar vessels, Digital n.n. Diaphragm **LYMPHATIC NETWORK RESPIRATORY SYSTEM** COLON Oral cavity Pituitary (hypophysis) Parotid gland-Adrenal gland R. colic (hepatic) flexure Sublingual (endocrii Tongue L. colic Transverse colon Parathyroids (dorsal) Pineal salivary gland (splenic flexure Ascending Pharynx (below) Adrenal Thymus (in child) Trachea Submandibular Haustra Esophagus salivary gland Stomach Mesocolic Omental Spleen Free (lymphatic Semilunar enia system) tenia R. kidney Gall- \_ bladder libera) Pancreas (behind L. kidney stomach) Transverse Cecum ureter R. urete Ascending colon (l.i.) Vermiform-appendix colon (l.i.) Descending colon (l.i.) Jrethra Urinar bladde Jejunum-Rectosigmoid junction Appendix Pancreas Cecum Sigmoid colon Rectum Sigmoid Prostate (male)-Ovaries (female) colon Anus Rectum Anus **ENDOCRINE** Testes (male) Exterior anal sphincter m **DIGESTIVE SYSTEM & VISCERA** URINARY SYSTEM Ureter-Sigmoid colon Descending colon Uterine tube Urinary bladder-Sacrum Fimbria Vas deferenseminal vesicle Ovary Cervix Uterus -Sigmoid Rectum Ejaculatory duct Endometrium colon Fat Urethra Myometrium Vagina Prostate gland Corpus cavernosum Cervical canal Coccyx Corpus Anus Urinary bladder Rectum spongiosum Bulbourethral gland (Cowper's) Pubic bone -Urethra Prepuce Clitoris Tendon Navicular fossa - Epididymus levator ani Testicular tubules Labia minora Anus Glans penis and external urethal Testis Scrotum Muscles of pelvic bowl Vaginal opening MALE REPRODUCTIVE SYSTEM Labia majora -**FEMALE REPRODUCTIVE SYSTEM** 

**CIRCULATORY SYSTEM** Circle of Willis (see below) Cereberal a ARTERIES Capillaries of arms (Bloc Superficial Sinus of head agittalis sup VEINS & hands Arteries of head, temporal a. & v. (Blood flows toward heart) arms & hands Internal jugular v Aortic arch External jugular v. Confluens R. pulmonary v.v. L. pulmonary a. sinum Brachiocephalic a: L. internal Pulmonary /ertebral a. Subclavian v. capillaries Jugular Superior Cephalic v. L. external carotid a. vena cava pulmonary Brachial v. ommon carotid a. Pulmonary a. Superior vena Subclavian a. L. pulmonary v.v Axillary a. . atrium Inferior vena Aortic arch Decending R. atrium thoracic aorta Pulmonary a. Hepatic R. ventricle L. ventricle portal v Brachial a. Celiac a. Superior Hepatic portal v. Celiac trunk Gastric a. mesenteric Capillaries of liver-Splenic a. Abdominal aorta Superior mesenteric a Renal v. Hepatic a. Renal a. Basilic v. Stomach Inferior vena cava v. Gastric aorta Gonadal a. Median v Spleen Portal circulation Radial a. Cephalic v Descending Ulnar a. abdominal aorta Renal v.v. Palmar Renal a.a. Kidneys External iliac a. Superior mesenteric a. Internal iliac v. Internal iliac a. Inferior mesenteric a. Capillaries of colons Femoral v.-Palmar a. Capillaries of pelvis anastomoses Internal iliac a. L. lateral circumflex a. External iliac v. Capillaries of Femoral a. legs & feet Internal iliac v. Internal iliac Femoral a. Popliteal a. POSTERIOR HEART L. pulmonary a. Femoral v. Genicular a.a. -Arch of aorta L. auricle Recurrent tibial a. Great saphenous v. Anterior tibial a. L. superior pulmonary v Circle of Willis R. pulmonary a. Genicular v.v. Anterior communicating a. L. inferior pulmonary Onhthalmic a. Middle cerebral a Great cardiac v. Superior vena cava Anterior tibial v. Lenticulostriate a Circumflex branch of Ascending R. superior left coronary a. pulmonary v. Precentral a L. atrium Great saphenous v. R. inferior Posterior branch of Middle temporal a Posterior left coronary a. pulmonary v. communicating a. Internal carotid a Coronary sinus Sulcus terminalis sterior cerebral a. iperior cerebellar a Posterior v. of R. atrium left ventricle Plantar venous network Vertebral a. Basilar a. Inferior vena cava L. ventricle Internal acoustic Anterior inferior cerebral a. R. coronary a. Middle cardiac v. Posterior descending a. Dorsalis pedis a. Plantar a. anastomosis Internal jugular v Main right coronary a. R common carotid Inferio Common carotid a. Sinoatrial (SA) a Aortic valve: External jugular v jugular v. Subclavian a and v jugular v. R. cusp L. cusp ..brachio-R. subclavian a. Brachiocephalic trunk Sinoatrial (SA) node Posterior cusp Arch of aorta L. common carotid R. brachiocephalic v. Bachmann's subclavian a. Ligamentum arteriosum Middle internodal bundle R. brachiocephalic v. Aortic arch L. pulmonary a.a. Superior L. pulmonary a. tract -Pulmonary Main L trunk coronary a. Superior vena L. pulmonary R. pulmonary L. pulmonary Circumflex internodal branch L. atrium R. pulmonary Anterior inter-Ascending Marginal Mitral valve nodal tract L. atrium branches Aortic valve interior interven-Great cardiac v Atrioventricula tricular branch (L Pulmonary valve L. ventricle anterior descending) R. atrium (AV) node anterior descending L. posterior R. bundle branch (or anterior intraven-R. atrium Common AV papillary m. tricular) coronary a. R. coronary a bundle (of His) Tricuspid valve Muscular Atrioventricular-L. bundle interventricular R. ventricle branch L. ventricle septum Purkinje fibers Perforating branches R ventricle Fat `Apex Apex Inferior vena cava to interventricular Descending aorta Inferior vena cava Abdominal aorta Posterior interventricula branch **CIRCULATION** ARTERIES

PuickStudy Semispinalis capitis Occipitalis **Temporalis** Temporalis Frontalis Orbicularis oculi Splenius capitis Occipitalis Splenius capitis Semispinalis capitis Corrugator fibers -Levator scapulae Omohyoid Auricularis anterior Deltoid Splenius capitis Scalenus medius Sternohyoid Trapezius Sternocleido Orbicularis oris Infraspinatus Trapezius Levator scapulae Platysma mastoid Rhoboideus major-Sternomastoid Trapezius ectoralis majo Teres minor Omohyoid Deltoid Teres major Serratus anterior Linea alba Deltoid Scalenus anterior Latissimus Linea semilunaris Brachialis Pectoralis Rectus sheath dorsi major Biceps brachii Tendinous inscription Triceps Anconeus Triceps Serratus Rectus abdominis brachii brachii anterior Ex. carpi radialis Bicepital Ex. carpi radialis longus Bicepital -Biceps longus aponeurosis\*\* Ex. retinacbrachii Ex. digitorum Pronator teres

Brachioradialis communis Rectus abdominis radialis brevis almarus Obliquus externus Fl. carpi radialis Obliquus Ex. digitorum Gluteus radialis brevis Fl. synovium communis Palmar Ex. carpi-Fl. retinaculum Adductor poneu Thenar m.m. Brachioradialis pollicis -Ulnar bursa alba longus Sartorius m.m: Adductor Ex. pollicis pollicis Tendon of ex. carpi Gluteus Lumbricales pollicis longus Gluteus Cremaster\*\* Adductor magnus Synovial fl. tendon sheaths Pyramidalis Gluteus Sartorius
Adductor magnus
Gracilis
Fasciae lata
(Band of Richer) Tensor fasciae latae Rectus femoris maximus Iliopsoas Iliotibial band Vastus lateralis Pectineus Gracilis Vastus lateralis Biceps femoris Adductor brevis Biceps femoris Tendons of quadriceps Adductor longus Semitendinosus Outer hamstring tendon Lateral patellar retinaculum Rectus femoris Gastrocnemius Semimembranosus Vastus lateralis Fat pads Gastrocnemius Vastus medialis Medial patellar retinaculum Popliteal fosa Peroneus longus-Gastrocnemius Tibialis anterior Inner hamstring Soleus Patellar tendon Peroneus longus Soleustendons Tibialis anterior Fl. hallucis longus Ex. digitorum longus Fl. digitorum longus Ex. digitorum longus Ex. digitorum longus-Peroneus longus Ex. digitorum brevus Ex. hallucis longus Superior ex. retinaculum tendon Peroneus brevis Inferior ex. retinaculum Peroneus tertius tendon Abductor hallucis Ex. digitorum longus Calcaneal (Achilles) tendon Peroneus tertius Ex. hallucis brevis Fl. digitorum Peroneus brevis tendon Peroneal retinaculum Ex. hallucis longus Fl. retinaculum Abductor digiti minimi **POSTERIOR VIEW ANTERIOR VIEW DEEP MUSCLES MUSCLES OF THE HEAD** Lateral palpebral l Corrugator Temporalis Zygomatic minor\*
Zygomatic major\*\* Frontalis Galea aponeurotica Occipitalis Superior tarsus Frontalis Levator labii aleque nasi\*\* Temporalis Orbicularis oculi Levator labii superioris\*\* -Levator anguli oris Orbicularis oculi - Splenius capitis\*\* Incisiyuş labii \_\_ Buccinator-- Semispinalis capitis Nasalis - Procerus -Medial ptergoid Muscular node Masseter\*\*

Depressor labii inferioris\*\* Zygomaticus-- Stylohyoid Mentalis\*\* Depressor anguli oris\* minor -Levator scapulae Levator labii -Omohyoid evator scapulae Sternohyoidsuperiorus - Rhomboid minor Levator labii Rhomboid major Omohyoid Subclavius-Sternomastoid\*\* Zygomaticus alaeque nasi - Supraspinatus **Orbicularis** major Infraspinatus Masseter Serratus anterior
Biceps brachii short head\*\* oris -Teres minor\*\* Buccinator Masseter Mentalis Triceps brachii longhead\*\* Subscapularis
Biceps brachii long head\*\* Depressor anguli oris Buccinator Triceps brachii lateral head\* Depressor labii -Mentalis Depressor anguli oris Latissimus dorsi Orbicularis oris inferioris Teres major Pectoralis minor Coracobrachialis-Deltoid\*\* Sternomastoid Serratus anterior Trapezius Sternohyoid Internal intercostal Triceps brachii medial head Omohyoid Serratus anterior-Acromion-External intercostals

Serratus posterior inferior Clavicle External intercostal (scapula) -Coracoid process Linea alba Brachialis-Supraspinatus-- Obliquus externus\*\* Pectoralis minor Pronator teres\*\* Obliquus internus Infraspinatus-Fl. carpi radialis\*\*
Palmaris longus\*\* –
Fl. digitorum
superficialis\*\* Ex. carpi radialis brevis\*\* Pectoralis major Greater-Serratus anterior Supinator
-Fl. digitorum tubercle Biceps brachii\*\*
Fl. carpi ulnaris\*\* Rectus profundis Teres minor Pronator teres
Abductor pollicis
longus abdominis Fl. digitorum superficials\*\* Teres major Tendinous Thitens oliquus externus\* rcuate inscription Ex. pollicis Obliquus internus\* Piriformis Humerus Ex. pollicis brevis ransversus bdominis -Superior gemellus Obliquus Fl. digitorum Obturator externus minimus cis Iliopsoas Latissimus dorsi Gracilis\* 1ª Dorsal Abductor Fl. pollicis interosseous

Abductor

Iliac crest

Umbilicus

Quadratus

Adductor brevis Biceps femoris\*\*

digiti

Adductor pollicis

Adducto

Adductor magnus

Supraparietal lobule BRAIN (SAGITTAL SECTION) Central sulcus Precentral sulcus Precentral Superior frontal sulcus SURFACE BRAIN gyrus Cingulate gyrus Central sulcus (of Rolando) Middle frontal gyrus Corpus callosum Parietal lobe Fornix -Frontal lobe Postcentral sulcus Inferior frontal sulcus Parieto-occipital sulcus-Lateral ventricle(s) Inferior frontal gyrus: Opercular part Postcentral gyrus Occipital lobe (first & second) Inferior parietal lobule Pineal body Cingulate sulcus Posterior commissure Triangular part Interthalamic adhesion Supramarginal Corpus quadral-gemminal Orbital part Anterior commissure Frontal pole Paraterminal gyrus Angular Cerebral aqueduct Olfactory bulb Cerebellar peduncles Thalamus (3rd ventricle) Temporal pole Parieto Superior medullary Superior temporal gyrus occipital sulcus Hypothalamus vellum Temporal lobe Superior temporal sulcus Transverse cerebellar fissure Cerebellum Optic chiasm Middle temporal gyrus Mamillary body Inferior temporal sulcus Fourth ventricle Arbor vitae Hypophysis Pons Cerebral peduncle Cerebellum Inferior temporal gyrus (Pituitary gland) Cerebellar cortex Spinal cord Medulla oblongata Horizontal fissure of cerebellum Medulla oblongata -1st Cervicle vertebrae (transverse process\*\*) **BRACHIAL PLEXUS** SACRAL PLEXUS Cervical Thoracic n.n. T1 - T12 — C2 plexus C1 - C4 Trace of the mandible 12th Thoracic vertebrae (pedicle\*\* C3 Supraclavicular n. -1st Lumbar vertebrae (pedicle\*\*) Cervicle vertebrae --5<sup>th</sup> Lumbar vertebrae (pedicle\*\*) Cervical C4 -L1 -Lumbar Upper trunk (pedicle and transverse process\*\*) Sacrum, is made up of 5 fused vertebrae (pedicles\*\*)

Iliohypogastric n. C1 - C8 plexus 1st Thoracic vertebrae - (pedicle\*\*) Middle trunk C6 C7 T12 - L4 -Iliohypogastric n. 1.2 Inferior trunk Brachial -Ilioinguinal n. Lumbar Č8 Trace of the plexus C5 - T1 scapula n.n. – L1 - L5 Genitofemoral n. L3 Lateral cord T2 Lateral femoral cutaneous n. Posterior cord Trace of the pelvis Medial cord Sacral plexus Femoral n. I.5 Humerus Ĺ5 - S4 Thoracic Superior gluteal n. T5 Musculocutaneous n. S2 n.n. -T1 - T12 Inferior gluteal n. S3 Sacral Axillary n. T6 Posterior femoral cutaneous n. **S4** n.n. S1 - S5 T7 Pudendal n. Sciatic n. Radial n. Inferior rectal n. Т8 Median n. Coccygeal n. Dorsal nerve of penis Ulnar n. (clitoris) Filum dora mater Perineal n. Cutaneous nerve T10 **HIP LIGAMENTS COMPONENTS OF THE FINGER HIP & SCIATIC NERVE** Articular capsul Iliofemoral 1. Joint capsule Inguinal 1. Superior & inferior articulating facets (Y 1. of Collateral 1.1. Slips of long ex. ten-dons to lateral bands Thoracolumbar Bigelow) Distal phalanx Pubofemoral Symphysis pubis Supraspinous 1. Distal interphalangeal (DIP) joint iliac spine Pubic tubercle Capsular 1. Latissimus Intertendinous bands Middle phalan Articular ca Proximal inter-phalangeal (PIP) Ilium Dorsal expansion (hood) joint Joint 1. Dorsal sacra Proximal phalanx Metacarpophalan-geal (MP) joint Sacroiliac Pubocapsular 1. Posterior inferior iliac spine Articular cartilage 5<sup>th</sup> metacarpal Greater sciation 2nd Metacarpal Tendon of ex. indicis Acetabulum-Tendons of ex. digitorum Head of Great Dorsal interosseo trochanter Obturator Pisiform Hamate lªPalmar interosseous m membrane Great -Triquetrum Styloid process Transverse acetabular 1. Trapezoid Pubis Neck Trochanteric Intertrochanteric Trapezium of femu -Capitate Schaphoid Radius bursa line & capsule attachment Obturator Lesser Ishiocapsular 1. Sacrospinal 1. trochanter membrane Femur Obturator foramen Sacrotuberous 1. Patellatrochanter Intercondyler line Lateral epicondyle KNEE LIGAMENTS BACK **KNEE LIGAMENTS FRONT** Lateral condyle of the femur (articular surface) Popliteal surface Lateral condyle of Anterior cruciate 1. Adductor tubercle the femur Adductor tubercle Medial condyle of the femur (articular surface) Lateral epicondyle Lateral meniscus Medial epicondyle - Anterior meniscofemoral 1. Fibular (lateral) Medial epicondyle collateral 1. Medial condyle of the femur Intercondyler fossa-Posterior meniscofemoral 1. Lateral condyle of Posterior cruciate 1.the tibia Medial meniscus Lateral meniscus Patellar 1. Fibular (lateral) collateral 1. Medial meniscus Medial condyle of the tibia Head of the fibula Medial condyle of Lateral condyle of the tibia Tibial (medial) collateral l. Anterior 1.1. of the Tibial (medial) collateral l. Posterior I.I. of the fibular head fibular head Tibial tuberosity -Tibia Fibula Tibia Head of the fibula

QuickStudy HEAD: EYE, EAR Frontal lobe Conjunctiva Lateral rectus m. Temporal lobe Greater arterial circle of iris Olfactory bulb (nasal sensory n.n.) Sclera Choroid Central sulcus Sinus venosus of sclera Frontal sinus Schlemm's canal) Parietal lobe Retina Optic n. Trabecular network Nasal bone Inferior temporal a. & v. Occipital-lobe L. medial nasal concha Cornea Posterior Sphenoid chamber Fovea sinus Anterior centralis Pharyngeal tonsil in macula lutea chamber L. inferior nasal concha Cortex Lamina cribosa of retina Capsule Cerebellun Inferior nasal meatus Nucleus Inner ear Optic n. (II) Schwalbe's cochlea) Hard palate semicircular anals) Auditory tube (eustachian) Fibers of ciliary Tympanic membrane (eardrum) zonule (suspensory ligament of lens) Central a. & v. of Soft palate (uvula) -Tongue Ciliary process Tempero-mandibular Orbicularis Inferior nasal a. & v. Anterior ciliary v. oris m. joint & capsule Palatine tonsil Ciliary m. Circular fibers Meridional fibers Medial rectus m. Head of the mandible Mandible Ora serrata Genioglossus m. Spinal cord Hyoid bone Auricular cartilage (external acoustic meatus cartilage) Geniohyoid m. Temporal m. Temporal bone Semicircular canals Epiglottis Nuchal 1 Mylohyoid m. Auditory ossicles Vestibular n. Thyroid cartilage Cervical n.n Malleus Incus Star Vocal cord Cochlear n. Cricoid cartilage Esophagus 7<sup>th</sup> cervical vertebrae Larynx Facial n. (VII) \*\* Auricle sweat gland -Cochlea Stratum lucidum (auditory n.) Merkel's discs Stratum granulosum Tensor tympani Stratum spinosum Epidermis Stratum basale (touch) (continues through - Dermal papillae Epitympanic recess bone to malleus) Papillary layer Stapedius Erector pili m Meissner's corpuscle (touch) Round (cochlear) Reticular layer Sensory n. m. External Tympanic window Cuticle
Huxley's layer
Henle's layer
External sheath
Glassy membrane
Connective tissue
layer acoustic Dermis membrane (temperature Hair Tympanic cavity (middle ear) Auditory Levator veli (eustachian) follicle palatini m. tube Sebaceous glands Corpuscle of Krause (cold) EAR (INTERIOR) Hypodermis Ampullae · Sweat gland Endolymphatic duct Motor n. (autonomic) Facial n. (VII) \*\* Hair matrix Semicircular canals & ducts Vestibular Connective tissue Papilla of Anterior (superior) ganglion hair follicle Vater-Pacini (pacinian) Posterior-Hair cuticle corpuscle (heavy pressure) Lateral Glassy membrane sheath Cochlear n. Corpuscle of Ruffini (heat) SKIN Endolymphatic sa ANATOMY OF THE Distal phalanges Scali vestibuli Stapedius m. Tendon fl. digitorum Vestibular membrane Tensor tympani m superficialis m Tendon fl. digitorum— profundis m. Digital fibrous sheath Cochlear duct Synovial sheath Incus Tectorial membrane (anvil) Scali tympani Deep transverse metacarpal 1.1 Lumbrical muscles I-IV Malleus Cochlear duct Opponens digiti minimi m (hammer) Stapes (stirrup) in oval (vestibular) Adductor pollicis m. Spiral ganglion digiti minimi brevis Eardrum Fl. pollicis brevis m. Abductor digiti minimi Round (cochlear) window (closed by secondary tympanic membrane) (tympanic membrane) Abductor pollicis brevis m. Common synovial sheath Opponens pollicis m. **FOOT** El retinaculum Ex. digitorum longus Peroneus longus tendon Median n. Ex. hallucis longus Peroneus brevis Tendon fl. carpi radialis m. Tibialis anterior Pisiform bone -Fibula bone Tendon adductor pollicis longus m Superior extensor retinaculum Tibialis Fl. carpi ulnaris m. Tendon ex. pollicis brevis m. posterior Tibialis anterior tendon ndon fl. digitorum superficialis m Soleus Tendon fl. pollicis longus m Fl. hallucis Inferior extensor retinaculum Tendon ex. carpi-radialis longus m. Tendon fl. digitorum profundis m. longus Trochlea Talus bone Radius Fl. digitorum Navicular bone longus NOTE TO STUDENT: This QuickStudy\* reference guide is the single most comprehensive "ANATOMY" guide ever published. It is a powerful study tool that can be quickly and repeatedly referred to during and well beyond your college years.

All rights reserved. No part of this publication may be reproduced or transmitted in any form, or by any means, electronic or mechanical, including photocopy, Dorsal cuneonavicular 1.1 Calcaneal (Achilles) tendon Cuneiform bone-Calcaneus bone Tarsometatarsal 1.1. Customer Hotline: 1.800.230.9522 Images ® Vincent Perez/perezstudio.com Ex. hallucis longus Fl. retinaculum Lavout: Rich Marino Quadratus plantae m. 1st Metatarsal bone U.S.\$5.95 / CAN.\$8.95 Tibialis posterior tendon Collateral 1.1 Peroneus Fl. digitorum tendon Articular longus 978-142320203 142320203-1 Fl. hallucis longus tendon Lumbricales Fl. hallucis brevis Distal phalanx Sesamoid bone Proximal phalans Phalanges 2-5 Fl. hallucis longus tendon

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